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BOOKS FOR FARMERS AND FARMERS' WIVES

BY

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BOOKS FOR FARMERS AND FARMERS' WIVES

"If country life is to become all that it should be, if the career of the farmer is to rank with any other career in the country as a dignified and desirable way of earning a living, the farmer must take advantage of all that agricultural knowledge has to offer, and also of all that has raised the standard of living and intelligence in other callings."—Theodore Roosevelt in Introduction to the Report of the Commission on Country Life.

The purpose of this bulletin is to place before the farmers and farmers' wives of Missouri the names and the descriptions of a few useful books which may be of service to them in their work. I am convinced that many farm homes would possess books dealing with the various departments of home and farm activity if the farmers knew precisely what books would give them the information they desire. If the farmer should have in his home the best books on poultry where he could consult them daily, he would increase his poultry products many times. If he had constant access to the best methods of caring for his sheep, and hogs, and cows, and would be guided by the experience of other men who have been successful stock raisers, he would make money more rapidly.

A resident of Columbia purchased twelve pullets and five cockerels in December, 1910. He studied several poultry books continually and followed directions and suggestions as well as he could with his lack of conveniences, and at the end of the first year he had a net gain of ($28) twenty-eight dollars. It pays in dollars to have the best books in dealing with specific problems To make the most money out of poultry, a poultry raiser must master his subject. He must know the best methods of raising chicks, of feeding and housing his laying stock, and the like. The same is true in any other vocation. Many farmers have not had an opportunty to study these problems in the College of Agriculture. Their observation and experience

have not been sufficiently wide to make them adept in all departments of farming.

The farmer's wife, too, has her problems. There is the care of the babies, the preparation of the food, the decoration of the home, all of which may be done more efficiently by the mothers and wives who study those problems in the light of the experience of others. If the housewife is interested in foods let her consult some book in our list on foods. If she is specially interested in the healthy growth of her boys and girls, let her read Hutchinson's Handbook of health and Holt's Care and feeding of children. These are the books which apply to her problems.

If the industry of your county is dairying, then here is a list of books on dairying, any one of which would be useful to you. If your county is devoted to fruit raising, then this list of books on horticulture may be worth while.

The books are grouped by subject and only a few of the best books are listed. These books have been recommended by the several professors in the College of Agriculture who teach the several subjects included in these lists. The library possesses other books on these subjects, which will be loaned if the readers wish them. The library contains books on a multitude of subjects. If information is wanted which can not be supplied by the books listed below, address the Librarian and state your problem. A book treating your problem will be sent if it is in the library and not in use.

The individual books listed may be loaned to residents of the state, provided the borrower pay the cost of transportation. The amount of postage in each case is indicated. These may be loaned for a period of (14) fourteen days subject to a renewal of (14) fourteen days, making a total of (28) twenty-eight days. If a reader should desire a book for a longer period, he should write to the Librarian about it. The fine for not returning a book on time is five cents a day.

These books may also circulate in groups. If several

families in a community wish to study horticulture, all the books in this list may be sent as a travelling library on the request of two or more residents of the community. The library in that case may remain for a period of three months. Arrangements have been made with the Missouri Library Commission, Jefferson City, to send out these groups in travelling libraries. Application for a travelling library may be made on the enclosed blank card. The card may be mailed direct to the Secretary of the Commission, or to the Librarian of the University.

These lists may also serve as a guide to the purchase of books for the home library. The names and addresses of the publishers and the prices at which the books were published is given to facilitate their purchase. They may be secured through the local book-seller or from the publishers themselves. The library has none of them for sale.

HOME ECONOMICS.

A. GENERAL.

Hutchinson, Woods. Handbook of health. Illus. N. Y., Houghton, 1911. 347 pp. Publisher's price, $1.25; postage, 12c.

"This is a handbook of practical instruction for running the human body." "And seeing that, like other machines, it derives the whole of its energy from its fuel, the subject of foods, their properties, uses, and methods of preparation has been gone into with unusual care." Preface.

Richards, Ellen H. Cost of food: a study in dietaries. N. Y., Wiley, 1901. 161 pp. Publisher's price, $1.00; postage, 8c.

"A study of food requirements and economical means of meeting them."

Richards, Ellen H. Cost of cleanness. N. Y., Wiley, 1908. 114 pp. Publisher's price, $1.00; postage, 8c.

Contents: Clean house, personal cleanness and the disposal of personal wastes, the clean city, the cost of uncleanness, the way to future cleanness.

Richards, Ellen H. Cost of living as modified by sanitary

science. Ed 3, N. Y., Wiley, 1905. 164 pp. Publisher's price, $1.00; postage, 8c.

"Attempts to indicate best methods and the proper division of economics."

Van de Water, V. T. From kitchen to garret. (Young farmer's practical library). N. Y., Sturgis and Walton, 1910. 262 pp. Publisher's price, 75c; postage 8c.

"It aims to simplify household duties of wife and daughter."

B. CHILDREN.

Brown, D. R. Baby · a book for mothers and nurses. Boston, Whitcomb & Barrows, 1908. 200 pp. Publisher's price, $1.00; postage, 7c.

"The writer knows all that is to be known about babies."

Holt, L. E. Care and feeding of children: a catechism for the use of mothers and children's nurses. Ed. 3. N. Y., Appleton & Co., 1903. 143 pp. Publisher's price, 75c; postage, 7c.

"A standard work."

C. FOODS.

Barrows, Anna. Principles of cookery. Chicago, American School of home economics. 1907. (Library of home economics, v. 5). Publisher's price, $1.50; postage, 12c.

A course for home study.

Church, A. H. Food. Some account of its sources, constituents and uses. Lond. Chapman, 1900. 260 pp. Publisher's price, $1.00; postage, 8c.

Part 1. Of food in general.
Part 2. Of vegetable foods.
Part 3. Of animal foods.
Part 4. Of food adjuncts.
Part 5. Of diet and dietaries.

Conn, H. W. Bacteria, yeasts and molds in the home. Boston, Ginn. 299 pp. Publisher's price, $1.00; postage, 9c.

The work is designed for all persons who have practical charge of homes and are interested in keeping them in the best and most healthful condition.

Hutchison, Robert. Food and the principles of dietetics. Ed. 3. N. Y., Wood, 1911. 635 pp. Publisher's price, $3.00; postage, 30c.

A comprehensive treatment of the subject. The lectures were first given to students, then revised and enlarged and printed in book form. The author says: "It is hoped that it may also prove intelligent and interesting to anyone desiring to acquire some knowledge of foods and the difficult problems of nutrition.

Norton, Alice P. Food and dietetics. Chicago, American school of home economics, 1907. (Library of home economics v. 6). 227 pp. Publisher's price, $1.50; postage, 13c.

A course of home study.

Snyder, Harry. Human foods and their nutritive value. N. Y., Macmillan, 1908. 368 pp. Publisher's price, $1.25; postage, 13c.

"Its aims to present some of the principles of human nutrition along with a study of more common articles of food. Prominence is given to those—as flour, bread, cereals, vegetables, meats, milk, dairy products, and fruit, that are most extensively used in the dietary." Preface.

Other books of worth on this subject, which we do not circulate to non-residents, are:

Lincoln and Barrows. Home science cook book. Boston, Whitcomb and Barrows. Publisher's price, $1.00.

Farmer. Boston cooking school cook book. Boston, Little, Brown & Co. Publisher's price, $2.00.

Fireless cooker. Chicago, American school of home economics. Publisher's price, 10c.

D. HOME DECORATION.

Clark, T. M. Care of a house. A volume of suggestions to householders, housekeepers, landlords, tenants, trustees, for the economic and efficient care of dwelling houses. Illustrated. N. Y., Macmillan, 1903. 291 pp. Publisher's price, $1.50; postage, 14c.

"Valuable handbook on the repair and maintenance of houses, for non-technical readers."

Daniels, Fred H. Furnishing of a modest home. Illus.

Worcester, Mass., Davis Press, 1908. 114 pp. Publisher's price, $1.00; postage, 8c.

"The aim of the book is to promote good taste in the home." Introd. Treats of plan of the house, the walls and floors, the several rooms and their decoration, pictures, casts and small ornaments.

French, Lillie H. Homes and their decoration. N. Y., Dodd, 1903. Illustrated. 446 pp. Publisher's price, $3.00; postage, 21c.

A thorough discussion of decorations and furnishings of the home.

Kellogg, Alice M. Home furnishings, practical and artistic, with 55 illustrations from photographs. N., Y. Stokes, 1905. 278 pp. Publisher's price, $1.50; postage, 12c.

Object: "To give practical aid to the aspiring home artist. The author has considered the different parts of the house in turn, and suggested the appropriate furnishings and decorations for each." Preface.

Priestman, Dorthy T. Home decoration. Philadelphia, Penn Pub. Co., 1909. 208 pp. Publisher's price $1.00; postage, 10c.

Treats such subjects as selecting furniture, floor coverings, wall decorations, window trimmings, decorative ornaments, the nursery, the kitchen, home-made rugs, etc.

Richards, Ellen H. Cost of shelter. N. Y., Wiley, 1905. 142 pp. Publisher's price, $1.00; postage, 8c.

"A thorough discussion of housing problems."

Wheeler, Candace. Principles of home decoration, with practical examples. Illus. N. Y, Doubleday, 1903. 227 pp. Publisher's price, $1.80.

Deals with theory and specific applications.

ANIMAL HUSBANDRY.

Coburn, F. D. Swine in America. A text book for the breeder, feeder, and student. Illustrated. N. Y., Judd, 1910. 619 pp. Publisher's price, $2.50; postage, 22c.

This book deals with breeds and breeding, feeds, such as alfalfa, roots, corn, wheat, etc., housing, preparing for market, and diseases.

Craig, John A. Judging live stock. Des Moines, Iowa.

Kenyon Printing Co., 1910. 187 pp. Publisher's price, $1.50; postage, 13c.

Includes judging horses, cattle, sheep and swine.

Davenport, E. Domesticated animals and plants. A brief treatise upon the origin and development of domesticated races with special reference to the methods of improvement. Boston, Ginn, 1910. 335 pp. Publisher's price, $1.25; postage, 11c.

"After all, the main purpose of the book and the main hope of the writer is to interest the student in affairs of the farm, and to enlist on the part of high schools the same interest in the teaching of agriculture and the preparation for the affairs of country life as is now exercised in the teaching of other subjects and the preparation for other phases of life."

Harper, M. W. Manual of farm animals; a practical guide to the choosing, breeding, and keep of horses, cattle, sheep, and swine. N. Y., Macmillan, 1911. 570 pp. Publisher's price, $2.00; postage, 18c.

Henry, W. A. Feeds and feeding. A handbook for the student and stockman. Ed. 10. Madison, Wis., The Author, 1910. 619 pp. Publisher's price, $2.25; postage, 20c.

Part 1. Plant growth and animal nutrition.
Part 2. Feeding stuffs.
Part 3. Feeding farm animals.

Johnstone, J. H. S. The horse book. A practical treatise on the American horse breeding industry as allied to the farm. Chicago, Sanders, 1908. 299 pp. Publisher's price, $2.00; postage, 12c.

"The work is designed primarily to be of practical value to those who have in view the production of the types of horses in general request upon the farms and in the market places of the United States." Preface.

Jordan, W. H. The feeding of anlmals. N. Y., Macmillan, 1903. 467 pp. Publisher's price, $1.50; postage, 15c.

"A valuable contribution to agricultural literature. Not a statement of rules or details of practice, but an effort to present the main facts and principles fundamental to the art of feeding animals."—New England Farmer.

Kleinheinz, F. Sheep management. A handbook for the shepherd and student. The Author, Madison, Wis.,

1911. Illus. 245 pp. Publisher's price, $1.50; postage, 9c.

".....this handbook has been prepared to serve as a brief guide to sheep management. It treats only of the practical problems of the care and management of the flock which every shepherd engaged in the business has to confront." Preface.

Marshall, F. R. Breeding farm animals. Chicago, Breeder's Gazette, 1911. Ill. 287 pp. Publisher's price, $1.25; postage, 12c.

"The main object of this book is to direct attention away from profitless speculations that have necessarily characterized some earlier books and to stimulate interest in the more tangible, the physical basis of heredity." Preface.

Mumford, H. W. Beef production. Urbana, Ill., The Author, 1908. 209 pp. Publisher's price, $1.50; postage, 9c.

Contains: Fattening cattle for the market; breeding beef cattle for the market; elementary principles of stock feeding.

Plumb, Charles, S. Types and breeds of farm animals. Boston, Ginn, 1906. 573 pp. Publisher's price, $2.00; postage, 18c.

Part 1. Horse, mule, ass.
Part 2. Cattle.
Part 3. Sheep.
Part 4. Pigs.

United States. Department of Agriculture. Special report on diseases of cattle. Rev ed., 1908. Illus. 551 pp. Publisher's price, $1.00; postage, 22c.

Contains: Administration of medicines, diseases of the special organs, poisoning, surgical operations, infectious diseases, etc.

United States. Department of Agriculture. Special report on the diseases of the horse. Rev. ed. 1907. 608 pp. Illus. Publisher's price, 65c; postage, 22c.

Contains: Examination of a sick horse, methods of administering medicines, diseases of the special organs, general diseases, wounds, shoeing, etc.

DAIRY HUSBANDRY.

Conn, H. W. Bacteria in milk and its products. Designed for the use of students in dairying and for all others concerned in the handling of milk, butter, or cheese.

Phila., Blakiston, 1903. Illustrated. 314 pp. Publisher's price, $1.25; postage, 9c.

Eckles, C. H. Dairy cattle and milk production. Illus. N. Y., Macmillan, 1911. Publisher's price, $1.60; postage, 13c.

Each of the dairy breeds is discussed by the author, their characteristics and adaptation being pointed out; the selection of the individual, calf raising, the management of the cow, feeding and stable construction are also included.

Gurler, H. B.. The farm dairy. Chicago, Breeder's Gazette, 1908. 163 pp. Publisher's price, $1.00; postage, 9c.

Henry, W. A. Feeds and feeding. A handbook for the student and stockman. Ed. 10. Madison, Wis. The Author, 1910. 619 pp. Publisher's price, $2.25; postage, 20c.

Part 1. Plant growth and animal nutrition.
Part 2. Feeding stuffs.
Part 3. Feeding farm animals.

Lane, C. B. Business of dairying. How to conduct dairy farming for the largest profit. N. Y., Judd, 1909. Illustrated. 246 pp. Publisher's price, $1.25; postage, 13c.

Part 1. The soil.
Part 2. The crops.
Part 3. Dairy herd.
Part 4. Feeds and feeding.
Part 5. Products.
Part 6. Sales.

Plumb, Charles S. Types and breeds of farm animals. Boston, Ginn, 1906. 573 pp. Publisher's price $2.00; postage, 18c.

Part 1. Horse, Mule, Ass.
Part 2. Cattle.
Part 3. Sheep.
Part 4. Pigs.

Van Slyke, L. L. Modern methods of testing milk and milk products: a handbook prepared for the use of dairy students, butter makers, cheese makers, producers of milk, operators in condenseries, managers of milk shipping stations, milk inspectors, physicians, etc. N. Y., Judd, 1906. 226 pp. Publisher's price, 75c; postage, 9c.

Van Slyke, L. L. and Publow, Chas. A. The science and practice of cheese-making. A treatise on the manufacture of American cheddar cheese and other varieties. Illus. N. Y., Judd, 1910. 594 pp. Publisher's price, $1.75; postage, 16c.

"A work which represents both scientific and practical sides of cheese-making."

Wing, H. H. Milk and its products. A treatise upon the nature and qualities of dairy milk and the manufacture of butter and cheese. Ed. 13. N. Y., Macmillan, 1909. 325 pp. Publisher's price, $1.50; postage, 16c.

FARM CROPS.

Bowman, M. L. and Crossley, B. W. Corn growing, judging, breeding, feeding, marketing, for the farmer and student of agriculture. Ed. 2. Illus. Ames, Iowa, The Authors, 1911. 508 pp. Publisher's price, $2.50; postage, 17c.

Hunt, T. F. The cereals in America. N. Y., Judd, 1910. 449 pp. Publisher's price, $1.75; postage, 16c.

Discusses wheat, maize, oats, barley, rye, rice, sorghum, buckwheat.

Hunt, T. F. The forage and fiber crops in America. N. Y., Judd, 1910. 434 pp. Publisher's price, $1.75; postage, 16c.

"The characteristics of the forage and fiber crops are discussed, and the results of experiment and experience as to their climatic and soil adaptation, cultural methods, insect enemies, fungous diseases, harvesting, use and marketing are summarized with special reference to American conditions." Preface.

Spillman, W. J. Farm grasses of the United States. A practical treatise on the grass crop, seeding and management of meadows and pastures, descriptions of the best varieties, and the seed and its impurities, grasses for special conditions, etc. Illus. N. Y., Judd, 1909. 264 pp. Publisher's price, $1.00; postage, 10c.

Voorhees, E. B. Forage crops for soiling, silage, hay and pasture. N. Y., Macmillan, 1907. 421 pp. Publisher's price, $1.50; postage, 16c.

"The work is intended to give brief and practical farming suggestions that will be helpful in the growing and using of forage crops." Preface.

Wing, J. E. Alfalfa farming in America. Chicago, Sanders, 1909. 480 pp. Publisher's price, $2.00; postage, 16c.

FARM MANAGEMENT.

Hunt, Thos. F. How to choose a farm, with a discussion of American lands. N. Y., Macmillan, 1906. 430 pp. Publisher's price, $1.75; postage, 18c.

Chapters 1-11 treat of the selection of a farm for profit, with some illustrations of the principles involved. Chapters 12-19 deal with the thirty different regions into which the author has divided America for the purpose of treatment.

Full of advice to those wanting to buy land, to make estimates of the value of farm property, or to know the agricultural resources and possibilities of different localities."

Roberts, I. P. The farmer's business handbook. A manual of simple farm accounts and brief advice on rural law. Ed. 3. N. Y., Macmillan, 1909. 313 pp. Publisher's price $1.25; postage, 13c.

Part 1. Farm accounts.
Part 2. Rural law.
Part 3. Inventories from the census.

Roberts, I. P. The farmstead. The making of the rural home and the lay-out of the farm. Ed. 5. N. Y., Macmillan, 1910. 356 pp. Publisher's price, $1.50; postage, 16c.

Treats of the selection of the farm, the lay-out, the house, barns, yards, sanitation, household economy and comfort.

Steiner, H. L. How to keep farm accounts. A practical book for the practical farmer and a text bok for use in agricultural schools. Toledo, O. The Author, 1908. 152 pp. Publisher's price, $1.00; postage, 7c.

FARM MECHANICS.

Davidson, J. B. and Chase, L. W. Farm machinery and farm motors. N. Y., Judd, 1911. Illus. 521 pp. Publisher's price, $2.00; postage, 18c.

Part 1. Farm machinery.
Part 2. Farm motors.
Discusses all the more important machines used in modern farming operations.

Farm buildings. New and enlarged edition. A compilation of plans for general farm barns, cattle barns, dairy barns, horse barns, sheep folds, swine pens, poultry houses, silos, feeding racks, farm gates, sheds, portable fences, concrete construction, handy devices, etc. Chicago, Sanders Publishing Co., 1909. 354 pp. Publisher's price, $1.75; postage, 18c.

This book is a compilation of the best farm building plans published in the Breeders Gazette during recent years.

FORESTRY.

Graves, Henry S. Principles of handling woodlands. N. Y., Wiley, 1911. 347 pp. Publisher's price, $1.50; postage, 16c.

"The book deals primarily with the principles of cutting mature stands of timber with a view to their replacement by new growth; cutting immature stands made for their improvement; and forest protection, with particular reference to forest fires." Preface.

Green, Samuel B. Principles of American forestry. N. Y., Wiley, 1903. 348 pp. Publisher's price, $1.50; postage, 14c.

"This is a book on elementary forestry, and has been prepared especially for students and others beginning this subject. It is also intended for the general reader who wishes to secure a general idea of the subject of forestry in North America." Preface.

Keller, Harriet L. Our native trees and how to identify them. A popular study of these habits and their peculiarities. Illus. Fifth ed. N. Y., Scribner, 1907. 557 pp. Publisher's price, $2.00; postage, 18c.

Roth, Filbert. First book of forestry. Boston, Ginn, 1902. 301 pp. Publisher's price, $1.00; postage, 10c.

"An effort has been made to present in simple, non-technical language some of the general principles underlying the science, and to state the methods which are employed and the objects to be obtained in the practice of forestry." Preface.

Pinchot, Gifford. A Primer of forestry. Part 1. The forest.

Part 2. Practical forestry. U. S. Department of Agriculture. Farmer's bulletin No. 171 (Part 1); No. 358 (Part 2).

"Part 1 deals with the units which compose the forest, with its character as an organic whole and with its enemies." Preface.

"Part 2 deals with the practice of forestry, with work in the woods, and with the relation of the forest to the weather and the streams, and concludes with a short account of forestry at home and abroad." Preface.

HORTICULTURE.

Bailey, L. H. Garden-making. Suggestions for the utilizing of home grounds. Illus. N. Y., Macmillan, 1909. 425 pp. Publisher's price, $1.50; postage, 17c.

Treats of ornamental gardening, of fruits and vegetables for home use.

Bailey, L. H. Horticulturists' rule-book. A compendium of useful information for fruit growers, truck-gardeners, florists and others. Ed 2. N. Y. Macmillan. 221 pp. Publisher's price, 75c; postage, 8c.

Bailey, L. H. Nursery-book. A complete guide to the multiplication of plants. Ed. 14. N. Y., Macmillan, 1910. 377 pp. Publisher's price, $1.50; postage, 16c.

"This little handbook aims at nothing more than an account of the methods commonly employed in the propagation and crossing of plants." Preface.

Bailey, L. H. Principles of fruit growing. N. Y., Macmillan, 1909. Ed. 12. 534 pp. Publisher's price, $1.50; postage, 13c.

Contains: Location, tillage, fertilization, care of fruit grounds, diseases, harvesting and marketing fruits.

Bailey, L. H. Principles of vegetable gardening. N. Y., Macmillan, 1910. Ed. 9. 468 pp. Publisher's price, $1.50; postage, 18c.

Part 1. General view.
Part 2. Vegetable gardening crops.

Treats of "making hot-beds, cold frames, the soil and its treatment; all about seeds; lay-out of the garden, marketing and storing produce." The treatment of each vegetable is taken up.

Bailey L. H. The pruning book. A monograph on the pruning and training of plants as applied to American

conditions. N. Y., Macmillan, 1909. 555 pp. Publisher's price, $1.50; postage, 16c.

Part 1. Fundamentals—fruit buds, healing of wounds, and principles of pruning.

Part 2. Incidentals—some specific modes of training, American grape training.

Fraser, S. The potato. A practical treatise on the potato, its characteristics, planting, cultivation, harvesting, storing, marketing, insects, and diseases, and their remedies, etc., etc. Illus. N. Y., Judd, 1910. 201 pp. Publisher's price, 75c postage, 8c.

Fuller, A. S. Small fruit culturist. N. Y., Judd, 1891. 298 pp. Publisher's price, $1.00; postage, 11c.

Contains: Barberry, strawberry, raspberry, blackberry, cherry, currant, gooseberry, cranberry, huckleberry, etc.

Hunn, C. E. and Bailey, L. H. Practical garden-book containing the simplest directions for the growing of the commonest things about the house and garden. Ed. 2. N. Y., Macmillan, 1901. 250 pp. Publisher's price, $1.00; postage, 8c.

POULTRY.

American standard of perfection. Illustrated. A complete description of all recognized varieties of fowls. American poultry association, 1910. 331 pp. Publisher's price, $1.50; postage, 14.

Class 1. American breeds — Plymouth rocks, Wyandottes, Javas, Rhode Island reds, etc.
Class 2. Asiatic breeds—Brahmas, cochins, langshans.
Class 3. Mediterranean breeds—leghorns, minorcas, etc.
Class 4. English breeds—dorkings, orpingtons, redcaps.
Class 5. Polish breeds.
Class 6. Hamburgs.
Class 7. French.
Class 8. Games and game bantams.
Class 9. Orientals.
Class 10. Ornamental bantams.

Hawks, Earl B. Science and art of poultry culture. A practical text book of poultry husbandry in its various branches. Illus. The Author, 1909. 500 pp. Publisher's price, $2.75; postage, 14c.

Kains, M. G. Profitable poultry production. N. Y., Judd, 1910. 288 pp. Publisher's price, $1.50; postage, 12c.

"This book is written to present the case fairly and squarely so the farmer may see the advantages that poultry offers as a means of making money. The book lays special emphasis upon all the important practices and new wrinkles that have been found profitable by professional breeders and poultrymen." Preface.

Purvis, Miller. Poultry breeding. A complete guide for keepers of poultry. Chicago, Sanders Publishing Co., 1910. 323 pp. Publisher's price, $1.50; postage, 11c.

The topics are arranged in alphabetical order like the topics in an encyclopedia.

Robinson, John H. Principles and practice of poultry culture. Illus. (Country life education series). Boston, Ginn, 1912. 627 pp. Publisher's price, $2.50; postage, 20c.

Part 1. Poultry industry.
Part 2. Production—location, coops, buildings, fences, fittings, foods, incubation, growth and marketing, egg production, etc.
Part 3. Reproduction—types, breeds, etc.
Part 4. Poultry, fancy—exhibits and judging.

RURAL ECONOMICS AND SOCIOLOGY.

Bailey, L. H. Country life movement in the United States. N. Y., Macmillan, 1911. 231 pp. Publisher's price, $1.25; postage, 11c.

This volume deals with the present movement for the redirection of rural civilization, discussing the real country-life problem as distinguished from the city problem, known as the back-to-the-land movement.

Bailey, L. H. The state and the farmer. N. Y., Macmillan, 1908. 189 pp. Publisher's price, $1.25; postage, 9c.

Professor Bailey here discusses the relation of the farmer to the government in its varying aspects. He deals specifically with the change in agricultural methods, in the shifting of the geographical centers of farming in the United States, and in the growth of agricultural institutions.

Butterfield, K. L. Chapters in rural progress. Chicago, University of Chicago Press, 1908. 262 pp. Publisher's price, $1.00; postage, 9c.

Contents: The study of rural life, problems of progress, expansion of farm life, the new farmer, culture from the corn-lot, education for the farmer, farmers' institutes, rural school, the grange, opportunities for farm women, the country church and progress, summary of progress, social side of farm question, federation for rural progress, etc.

Butterfield, K. L. The country church and the rural problem. Chicago, Univ. of Chicago Press, 1911. 162 pp. Publisher's price, $1.00; postage, 8c.

Carver, T. N. Principles of rural economics. Boston, Ginn, 1911. 386 pp. Publisher's price, $1.30; postage, 13c.

An exceptionally clear treatment—the best yet published—of agriculture and the rural problems in their relation to national economy. After a brief history of agriculture in America, the author takes up the factors of agricultural production and management, the distribution of the agricultural income and the problems of rural social life, emphasizing throughout public and social aspects more, and the business aspect less, than has been done in earlier works.

Coulter, J. L. Co-operation among farmers the keystone of rural prosperity (Young farmer's practical library). N. Y., Sturgis & Walton, 1911. 281 pp. Illus. Publisher's price, 75c; postage, 8c.

Plea for co-operative selling, buying and organization in the rural districts in order to bring about educational and social betterment.

Fairchild, G. T. Rural wealth and welfare. N. Y., Macmillan. Publisher's price, $1.25; postage, 12c.

Discusses agriculture as the chief factor in the production of wealth. Special chapters are devoted to the analysis of forces in the production of wealth, aims of industry, methods of association, special incentives to production, showing the rate of increase and value of farms, farm stock, farm crops, etc.

Field, Jessie. The corn lady: the story of a country teacher's work. Chicago. Flanagan Co., 1911. 107 pp. Publisher's price, $1.20; postage, 10c.

Harris, H. F. Health on the farm (Young farmer's practical library). N. Y. Sturgis & Walton, 1911. 306 pp. Publisher's price, 75c; postage, 8c.

A simple, practical volume covering all phases of personal and some general rural hygienic problems and differing from other books in being especially adapted to southern conditions.

Hays, W. M. Farm development. N. Y., Judd, 1910. Illus. 391 pp. Publisher's price, $1.50; postage, 15c.

A comprehensive manual discussing farming as a vocation, the selection of a farm home, planning the farm, subduing the land, drainage, irrigation, roads, bridges and fences.

Ogden, H. N. Rural hygiene. (Rural science series). N. Y., Macmillan. Illus. 434 pp. Publisher's price, $1.50; postage, 10c.

"An excellent work,—it is untechnical, suited to the average reader and to village health officers." A. L. A. Booklist.

National Society for the Study of Education. Tenth year book, part 2. The rural school as a community center. Chicago. University of Chicago press. Publisher's price, 75c; postage, 5c.

A collection of eight papers discussing the problem of wider social usefulness for rural schools, with concrete examples of methods already in practice.

Powell, E. P. How to live in the country. N. Y. Outing, 1911. Illus. 300 pp. Publisher's price, $1.75; postage, 14c.

"Those who will find it really most interesting and valuable are the amateur farmers, already 'in being'. To them its practical advice and suggestions will be altogether useful."

U. S. Commission on Country Life. Report with an introduction by Theodore Roosevelt. N. Y. Sturgis & Walton, 1911. 150 pp. Publisher's price, 75c; postage, 8c.

"The purpose of the Commission was to determine the present status of country life in the United States, to point out its main deficiencies and to suggest lines of action and inquiry."

SOILS.

Hopkins, C. G. Soil fertility and permanent agriculture. Ginn, Boston, 1910. 676 pp. Publisher's price, $2.25; postage, 20c.

"It is the first business of every farmer to reduce the fertility of the soil, by removing the largest crops of which the soil is capable; but ultimate failure results for the land owner unless provision is made for restoring and maintaining productiveness. * * * It is the purpose of this book to teach the science of soil fertility and permanent agriculture, chiefly by reporting facts rather than by offering theories." Introduction.

King, F. H. The soil, its nature, relations, and fundamental

principles of management. N. Y., Macmillan, 1909. 318 pp. Publisher's price, $1.50; postage, 15c.

"The soil has been considered as a scene of life, where altered sunshine maintains an endless cycle of changes, rather than as mere chemical and mechanical mixture, and so far as possible the problems have been given definiteness by treating them quantatively." Preface.

Roberts, I. P. Fertility of the land. A summary sketch of the relationship of farm practice to the maintaining and increasing of the productivity of the soil. N. Y., Macmillan. Ed. 10. 438 pp. Publisher's price, $1.50; postage, 17c.

Vivian, A. First principles of soil fertility. N. Y., Judd, 1908. Illus. 273 pp. Publlsher's price, $1.00; postage, 10c.

Contains: 1. Plant food—its nature and source.
2. Making potential plant food available.
3. Barnyard manure.
4. Commercial fertilizers.

Voorhees, E. B. Fertilizers, the source, character and composition of natural, home-made and manufactured fertilizers; and suggestions as to their use for different crops and conditions. N. Y., Macmillan, 1910. Ed. 11. 349 pp. Publisher's price, $1.25; postage, 13c.

There is much valuable material published by the United States Department of Agriculture, by State agricultural experiment stations, and by the State boards of agriculture. This material is free. The experiment station of the College of Agriculture of the University of Missouri has published 99 bulletins, 53 circulars, and 4 research bulletins. Ask to have your name placed on the mailing list to receive all publications of the Station. Following is a list of those available for free distribution. Address the Director of the Agricultural Experiment Station, Columbia, Mo.

Bulletin 54. The strawberry false worm. The strawberry leaf-roller.
Bulletin 55. Pruning peach trees.
Bulletin 71. The fruit tree leaf-roller.
Bulletin 83. Soil experiments on the upland loam of southeast Missouri.

Bulletin 84. Soil experiments on the prairie silt loam of southwest Missouri.
Bulletin 87. Co-operative variety tests of corn. Variety tests of corn at Columbia.
Bulletin 88. Soil management in the Ozark region.
Bulletin 89. Forest conditions of the Ozark region of Missouri.
Bulletin 92. Soils of Sullivan County.
Bulletin 93. Soils of Audrain County.
Bulletin 97. Co-operation among fruit growers.
Bulletin 98. San Jose Scale in Missouri.
Bulletin 99. Inspection of commercial fertilizers, 1911.
Bulletin 100. Influence of fatness of cow at parturition on percent of fat in milk.
Bulletin 101. Report of Director, 1911.
Bulletin 102. Combating orchard and garden enemies.
Bulletin 103. Silo for Missouri farmers.
Circular 37. Variations in cream tests.
Circular 38. The principles of maintaining soil fertility.
Circular 40. The seeding of alfalfa.
Circular 41. Directions for testing milk on the farm.
Circular 42. The seeding of clovers and grasses.
Circular 43. Wheat growing in Missouri.
Circular 44. Feeding for milk production.
Circular 46. Factors influencing the yield of oats.
Circular 47. Raising calves on skim milk.
Circular 48. The plastered or Gurler silo.
Circular 50. Selection of corn for seed and show.
Circular 51. How to prolong the life of fence posts.
Circular 52. Growing a woodlot from seed.
Circular 53. The seeding of cowpeas.

The State Board of Agriculture has published reports from 1865 to date and 10 volumes of bulletins. The following bulletins are still available for free distribution. Address the Secretary of the State Board of Agriculture, Columbia, Mo.

Bulletin 12, (Vol. 5). Meat inspection.
Bulletin 6, (Vol. 6). Raising calves on skim milk.
Bulletin 7a, (Vol. 6). Some experiments on Missouri soils.
Bulletin 11, (Vol. 6). Apiary inspection.
Bulletin 3, (Vol. 7). Home Makers' conference association, 1909.
Bulletin 10, (Vol. 7). The brood sow and her litter.
Bulletin 11, (Vol. 7). The silo.
Bulletin 12, (Vol. 7). Crop review for 1909.
Bulletin 8, (Vol. 3). Corn growing in Missouri.
Bulletin 4, (Vol. 8). Ornamental planting for the farm home.
Bulletin 5, (Vol. 8). Cement for the farm home.
Bulletin 8, (Vol. 8). Steps in agriculture.
Bulletin 10, (Vol. 8). First prize five-acre farm plan.
Bulletin 11, (Vol. 8). Second prize five-acre farm plan.
Bulletin 12, (Vol. 8). Crop review for 1910.
Bulletin 5, (Vol. 9). Partial list of pure bred live stock.
Bulletin 8, (Vol. 9). Methods of corn cultivation in Missouri.
Bulletin 10, (Vol. 9). General Forms for roads and culverts.

Bulletin 11, (Vol. 9). Butchering hogs on Missouri farms.
Bulletin 12, (Vol. 9). Crop review for 1911.
Booklet: A tip on Missouri corn.
Bulletin 1, (Vol. 10). Growing cowpeas in Missouri.

The State Poultry Board has issued two valuable bulletins which will be sent on request. T. E. Quisenberry is Secretary, Mountain Grove, Missouri.

By addressng the Secretary of the Department of Agriculture, Washington, D. C., and requesting that your name be placed on his mailing list you may receive the year books, the farmers' bulletins, and other publications as issued. You could get a list of the publications of this department which are available for free distributon and for sale and then ask for only those in which you are interested.

A list of the experiment stations in the middle west is added for the convenience of those who may have occasion to write to them for information or for some of their bulletins.

Illinois experiment station, Urbana, Ill.
Indiana experiment station, La Fayette, Ind.
Iowa experiment station, Ames, Iowa.
Kansas experiment station, Manhattan, Kansas.
Michigan experiment station, Agricultural College, Mich.
Minnesota experiment station, Minneapolis, Minn.
Wisconsin experiment station, Madison, Wis.

Readers of this bulletin who may wish a list of the best journals, in dairy husbandry, horticulture, animal husbandry and the like or a list of general agricultural periodicals should address F. B. Mumford, Dean of the College of Agriculture of the University of Missouri and Director of the Experiment Station. Information on this and other subjects of interest to farmers will be given cheerfully.

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Volume 3, No. 3. Handbook of the libraries, 1910. [Out of print]

Volume 4, No. 4. Books for farmers and farmers' wives.